

## The Knowledge Bank at The Ohio State University

### Ohio State Engineer

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# NOTES OF THE CAMPUS

## MANAGEMENT WEEK

Management Week will be held Thursday and Friday, October 27th and 28th, the Engineering Program occurring on Thursday. Through unavoidable delays the program is not yet completely worked out. Tentative acceptances have been received from some of the speakers already, and the probable program follows.

R. E. Doherty of the General Electric Company probably will speak Thursday morning at 10:00 o'clock or Thursday afternoon at 2:00 o'clock on "Management of Engineering Developments" and on "The Development of Engineers."

For Thursday afternoon a definite acceptance has been obtained from Samuel Wyer, who will speak on "Government Ownership of Electric Power Utilities with Special Reference to the Experience of the Ontario Hydro-Electric Power Commission." It is also planned to have at the same session a representative of the Hydro-Electric Power Commission of Ontario who will present the results obtained by the commission in its power developments.

A tentative acceptance has been obtained from Dr. Karl Arnstein, Vice-President of the Goodyear Zeppelin Corporation of Akron, who will speak on "The Place of the Dirigible in Future Aero-Transportation." Dr. Arnstein, who is the designer of over 100 zeppelins which have actually flown, will show about 50 lantern slides of zeppelins. The Goodyear Zeppelin Corporation was recently awarded a prize of \$50,000 by the United States Government for the best design of a super-dirigible for the U. S. Navy. It is also expected that a prominent representative of the Ford Airplane Enterprises, will be present for the same evening session. Mr. Stout has been invited, but his acceptance has not yet been received.

Friday afternoon the College of Commerce will put on the management session, and in the afternoon a Foremen's Session, for both of which several prominent speakers have already been secured.

Several of the Departments of the College of Engineering have signified their intention to excuse their students from classes on Thursday and Friday with the expectation that they will attend these sessions. Such Departments are: Chemical Engineering, Electrical Engineering, Mechanical Engineering, and Industrial Engineering.

## DEPARTMENT OF CIVIL ENGINEERING

### Greetings:

It would be a poor instructor who did not wish to see his students do better in their careers than he has done. So, freshmen will find the instructors in the Engineering College not only willing, but anxious to help them. It is probable that

the advice of experienced persons is better than that of the less mature, therefore, freshmen should value the advice of instructors above the advice they receive from their fellow students, and should not hesitate to consult with instructors on important matters. With all good wishes for the success of all new comers.

Sincerely,  
C. E. Sherman.

The American Society of Civil Engineers will hold its National meeting in Columbus on Wednesday, Thursday and Friday, the second week in October, and will spend all day Saturday, October 15th at Ohio State University.

A tour of the grounds and inspection of exhibits in the forenoon, will be followed by luncheon in Pomerene Hall at noon, and attendance at the Ohio State-Northwestern game in the afternoon.

The students branch of the American Soc. of Civil Engineers, the department of Civil Engineering, and the Central Ohio Section of the National society are making arrangements for the entertainment at the University.

A. Ward Ross, '25, has written a paper "The Design of Tall Building Frames to Resist Wind" which will be presented at the meeting of The American Society of Civil Engineers to be held in Columbus from October 12th to October 15th.

## DEPARTMENT OF INDUSTRIAL ENGINEERING

The Industrial Engineering Department is glad to welcome freshmen. Our shops—Machine Shop—Forge—Foundry and Pattern Shop are open for inspection, and we will be glad to show them to any interested freshmen. Our office has the policy of the open door, so come in and see us some time, and get acquainted.

John Younger.

All students who will take courses in the Machine room of the Industrial Engineering building will be pleased to see that the room has been newly painted and reconditioned. After long years of waiting this has come about and now everything is ship shape for a pleasant year in the Department of Industrial Engineering.

## DEPARTMENT OF MECHANICAL ENGINEERING

### To our First-Year Engineering Students:

Let me offer you my congratulations that you have decided to begin to climb the engineering ladder which we trust will lead to personal happiness, ability to earn an honest and good living, the possibility to advance civilization by your inventions, designs, and productions, and the opportunity to be a valuable citizen in the commonwealth which is educating you. As the demand

for young men of your supposed talents and ability is several times the supply, we urge you to accept the wonderful opportunity provided to make good each day in each class, and so acquire the habits which you will use in business and professional life. The State of Ohio and the members of the engineering profession stand ready and willing to be of all assistance possible provided you will carry your share of the load. Success to you one and all!

Wm. T. Magruder.

#### DEPARTMENT OF ELECTRICAL ENGINEERING

Judging from past experience about one-fourth of those who are now entering the University, are planning to take the course in electrical engineering. To these the Department of Electrical Engineering extends a very cordial welcome. A large part of the others who are now entering will have an opportunity to take one or more courses in this Department. Such students will also be welcome when they come to us.

Some of those who are now expecting to follow this most interesting profession, will find reason for changing their plans during the coming year. Such changes, when made on a basis of lack of interest in electrical science and engineering or upon the basis of unfitness for such work as determined by their accomplishment in mathematics and physics, are well founded. Indeed, these considerations are, in general, the only ones which should influence a man in his selection of his life's work. In Electrical Engineering as in all other lines, "There is always room at the top." Probably no one gets more satisfaction from his work than the man who is a successful electrical engineer.

F. C. Caldwell.

#### DEPARTMENT OF MINE ENGINEERING

The Department of Mine Engineering extends a hearty welcome to the freshmen in the College of Engineering and more especially to those who are contemplating taking the mine engineering course.

Mining is the source of many of the raw materials of industry such as coal, iron, copper, lead, sulphur, petroleum, salt, limestone and others too numerous to mention. Without a constant supply of these materials, our civilization could not continue.

This field offers great opportunities for many young engineers. Professors H. E. Nold and E. V. O'Rourke, of the Department of Mine Engineering are at all times ready and anxious to get acquainted with and to help those first year men who contemplate the study of mine engineering. The department offices are in rooms 218 and 219, Lord Hall.

#### DEPARTMENT OF ARCHITECTURE

The Department of Architecture is greatly interested in the freshmen of the Engineering College, particularly those who expect to continue their studies in Architecture. Experience has shown that too many students enter these courses

without the natural gift or aptitude for them. The most important question for each such student to answer during his freshman year is "Why am I proposing to Study Architecture?" Each of you will have courses in Brown Hall and a most cordial invitation is extended to each to call at Room 106 during the year and let us help you answer that question. Be sure that you are right before you go ahead. Yours for great success in scholarship.

C. St. J. Chubb.

#### DEPARTMENT OF CERAMIC ENGINEERING

The Ceramic Engineering Department welcomes the Freshman Engineers. We are here to be of the greatest possible service to the student body and are always glad to discuss with you your engineering education problems. The teaching staff in Ceramic Engineering is made up exclusively of men who have served in the industry and who know what the industry demands of engineers. The demand for men trained in Ceramics is steadily increasing. If you want to know more about Ceramic Engineering call on us at Room 233—Lord Hall.

Sincerely,

Prof. A. S. Watts; Prof. J. L. Carruthers; Prof. G. A. Bole, and Prof. R. M. King.

Mr. T. M. Felton, instructor in Ceramics last year, has resigned to become Technical Director of the Vitro Manufacturing Company, Pittsburgh, Pennsylvania.

Mr. R. M. King, M. Sc. in Ceramic Engineering, '23, has been appointed Assistant Professor in the Department of Ceramic Engineering in addition to the present staff. Mr. King graduated from the University of Texas and was for five years with the Aluminum Company of America in their refractory department. He then came to the Ohio State University where he secured his master's degree. This was followed by two years of special research in the U. S. Bureau of Mines, sponsored by the American Lava Corporation. He left this work to become refractory engineer of the Lukens Steel Co., of Coatesville, Pennsylvania. Mr. King is especially well equipped in the field of refractories and the testing of clays.

#### DEPARTMENT OF METALLURGY

Freshmen are welcomed by the Department of Metallurgy with hopes that every man will have a happy year of good old fashioned hard work and interesting new companionships. The Metallurgy industries need more Metallurgical Engineers badly but they need them well trained. Buckle into your mathematics, chemistry, drawing and English, Freshmen, and enjoy your new acquaintances, then when you come back next year we have some interesting things to tell you in Metallurgy.

D. J. Demorest.

Due to the small number of Metallurgical Engineering graduates in June, there were twice as many positions offered through the Department as there were graduates.

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## CAMPUS NOTES

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DEPARTMENT OF CHEMICAL  
ENGINEERING

Dean Hitchcock has already welcomed all new students entering the College of Engineering this fall.

The Department of Chemical Engineering emphasizes the welcome as well as the points made by the Dean. This department, in common with other departments of this college, makes it its prime business to assist the individual student to find himself and master himself, as well as the subject which the student takes in the department. We are always open for consultation and conversation upon anything affecting the student's welfare. Not only students interested in taking work in this department will be welcome but those who ultimately become advanced students in other departments, will be cordially assisted by discussion or otherwise, if chemical engineering can throw any light on their problems.

In this connection it should be stated that chemical engineering is fundamental to all other engineering work. The engineer utilizes phenomena and science to guarantee performance. This means he uses materials and the forces of nature. All materials are chemical substances or mixtures thereof. Also important portions of the forces of nature are the chemical forces. This means that the engineer must utilize chemical engineering in his mechanical, electrical, civil, mining, ceramic, and metallurgical engineering, so get as much as you can out of your chemistry and physics for these are fundamental to chemical engineering, and therefore to all other engineering.

To handle these adequately, one must have a grasp and mastery and an ability to handle mathematics and engineering drawing, (the language of the engineer), as well as the English language itself. Be sure to get the most out of every one of these courses to use in your advanced work and later in your professional work in life.

James R. Withrow.

Mr. Edwin P. Arthur has resigned his position as Instructor in the Department of Chemical Engineering to become Chemical Engineer for The Vitrolite Co., Venna, W. Va.

The Chemical Engineering Department has cooperated with the Glass manufacturers of Ohio and West Virginia for a number of years. The Department is now contributing one of its Instructors to one of those concerns to push to completion pressing manufacturing problems. Mr. Arthur has had six years experience in the Glass Industry working in the States of Ohio, Louisiana, Pennsylvania and West Virginia. He has been in charge of laboratory work for Senior and Graduate Chemical Engineers on Furnace work and Pyrometry.

Mr. Charles Gross Duncombe has been appointed Instructor in the Department of Chemical Engineering. Mr. Duncombe has been a Storage Battery Engineer with the Prest-O-Lite Co. at Indianapolis for the last six years. Mr. Duncombe graduated in 1916 from the Ohio State University in Chemical Engineering.

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# ENGINEERING

At

Ohio State University

## *Courses*

Mining	Ceramic
Mechanical	Architecture
Civil	Industrial
Electrical	Architectural
Chemical	Metallurgical
Engineering Physics	

*FOR INFORMATION WRITE*

## COLLEGE OF ENGINEERING

OHIO STATE UNIVERSITY

COLUMBUS, OHIO

## CAMPUS NOTES

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## DEPARTMENT OF CIVIL ENGINEERING

The American Society of Civil Engineers for their fall meeting will be in Columbus, October 12 to 15. Ohio State University has been honored by being included in the itinerary of this noted society. Among those who will be present are such famed engineers as John F. Stevens, President of the Society, and engineer in charge of the construction of the Panama Canal; Major General Edgar Jadwin, Chief of Engineers, U. S. Army, and N. C. Grover, Chief Hydraulic Engineer, U. S. Geological Survey. Secretary of War Dwight F. Davis will also be present to deliver an address on Mississippi River Flood Control.

The Society has extended an invitation to the student branch to attend all of the proceedings. This is indeed an opportunity to hear world famous engineers. Most every branch of the profession from hydraulics to highways will be discussed. Each member of the Student Branch of the American Society of Civil Engineers would do well to attend at least a few of these lectures.

All of the proceedings are to take place at the Neil House. A program will be posted in Brown Hall and other information can be obtained from Prof. C. T. Morris.

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Cards have been received announcing the marriage on Saturday, September 24, of Mr. U. J. Grant, B. M. E. 1927, to Miss Evelyn Mae Kurtz, daughter of Mr. and Mrs. David B. Kurtz of Smithville, Ohio.

Mr. Grant is doing power plant engineering work with the Ohio Salt Company at Rittman, Ohio.

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DEPARTMENT OF INDUSTRIAL  
ENGINEERING

W. B. Gillen, '27, has taken a position as Production Engineer with the Electric Lamp Works of the General Electric Company at Warren, Ohio.

Harold L. Cannell, '27, is in research work for the Studebaker Corporation at South Bend, Ind.

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Billie: Pa sent me for a piece of rope like this.

Oilshop Dealer: How much does he want?

Billie: Just enough to reach from the goat to the fence.

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I'LL SAY SO

Grandmother: "I suppose you have to stay up very late at college?"

Grandson: "Yes, but really, grandmother, it's worth it."

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MAKE IT SNAPPY

Publisher (to author): "You'll have to rewrite this novel, Mr. Scribbler, if you want it to sell. The Boston police have positively refused to suppress it."